AUTHOR INDEX

Baán, A., 2069
Bamford, C. H., 2417, 2425
Barkalov, J. M., 2323
Berlin, Al. Al., 2313, 2323
Bibby, A., 2417
Braun, D., 2351
Breuer, H., 2299
Chirkov, N. M., 2069
Czájlik, I., 2069
Dauby, R., 1989
David, C., 2181
Dawans, F., 1989
Day, J. W., 2161
Denaxas, J., 2203
Dimitrov, M., 2077
Dinaburg, V. A., 2239
Doskočilová, D., 2225
Dudina, L. A., 2277
Dyachkovskii, F. S., 2333
Dyson, R. W., 2425
Eastmond, G. C., 2417, 2425
Egórov, G. P., 2031
Eltekov, Yu. A., 1931
Enikolopyan, N. S., 2277, 2313, 2453
Enomoto, S., 2263
Feigelson, I. I., 2001
Ferrier, J., 1937
Figini, R. V., 2049
Frisch, K. C., 2191
Gantmakher, A. R., 1917
Genender, K. M., 2239
Geuskens, G., 2181
Gilbert, A., 1903
Glikina, M. V., 2239
Glikman, S. A., 2001
Goldanskiĭ, V. I., 2323
Goldbach, G., 2289
Groeninckx, G., 2059
Grundschober, F., 2087
Gubenkova, E. N., 2001
Gudkin, L. R., 2239
Habermeier, J., 2131
Hamann, K., 2131
Hata, T., 2019
Higashimura, T., 2365
Hummel, D., 2203
Imanishi, Y., 2365
Imoto, M., 2121
Ingram, P., 1857
Irzhak, V. J., 2453
Ishida, A., 2099, 2111
Ito, T., 2121
Jaenicke, R., 2143
Job, C., 2393
Kanig, G., 1957
Kargin, V. A., 2215
Karmilova, L. V., 2277
Khazanovich, T. N., 2463
Khomutov, L. I., 2001
Kiho, H., 1857
Kimura, K., 2365
Kirste, R. G., 2039
Kovarskaya, B. M., 2011
Kravchuk, I. P., 2453
Krimm, S., 2263
Kriston, P., 2077
Krol, G. J., 2171
Kuzmina, S. S., 2323
Lesne, M., 2059
Lím, D., 2225
Lipatova, T. E., 2341
Ludvig, E. B., 1917
McLaren, J. V., 1903
Makhortych, S. V., 2239
Margaritova, M. F., 2251
Markova, G. S., 2215
Marx-Figini, von M., 1947
Matsuzaki, K., 2099, 2111
Medvedev, S. S., 1917, 2251
Mercier, J. P. 2059
Moisya, E. G., 2031
Muray, B. J., 1869
Nose, T., 2019
Okamura, S., 2365
Opaskar, C. G., 2263
Oshima, K., 2403
Otsu, T., 2121
Pakhomova, L. K., 2323
Peterlin, A., 1857
Plechova, O. A., 2453
Prut, E. V., 2323
Rakova, G. V., 2453
Read, B. E., 1887
Reegen, S. L., 2191
Rehage, G., 2289, 2299
Reichert, K.-H., 2131
Romanov, L. M., 2453
Rosenberg, B. A., 1917

Roth, L. A., 2001
Sambeth, J., 2087
Samsonov, G. V., 2239
Savushkina, G. P., 2453
Schneider, B., 2225
Schneider, C., 2203
Selikhova, V. I., 2215
Shibano, H., 2403
Shilov, A. E., 2333
Shilova, A. K., 2333
Skorynina, I. S., 2341
Sobue, H., 2403
Stavrova, S. D., 2251
Štokr, J., 2225
Stoylov, S. P., 2435
Strauss, U. P., 2161, 2171
Tabata, Y., 2403
Takeuchi, M., 2099
Tamchyna, J., 1969
Tateno, N., 2111
Teyssié, Ph., 1989
Thallmaier, M., 2364
Thir, B., 2191
Tokarzewska, M., 2443
Trofimova, G. M., 2323
Trubitsyna, S. N., 2251
Tryapitsyna, E. N., 2277
Tsvankin, D. Ya., 2215
Tsvetkova, V. I., 2069
Tuijnman, C. A. F., 2379
Uryu, T., 2099
Valko, L., 1979
Váradi, J., 2069
Verhasselt, A., 2181
Votavová, E., 2225
Watts, J. D., 1903
Yamamoto, R., 2365
Zharov, A. A., 2313
Zubov, Yu. A., 2215
Zvonař, V., 1969

SUBJECT INDEX

A and B chains of oxidized insulin by carboxylic resins, specificity in hydrolysis of, 2239
Acetates, corresponding, of 2,4-pentanediol and 2,4,6-heptanetriol, stereoisomers of, vibrational and NMR spectra and conformational analysis of, 2225
Activity, polymerization, homogeneous and heterogeneous components of Ziegler catalysts in development of, 2069
Adsorption of polystyrene, poly(dimethyl siloxane), and poly(methyl methacrylate) from dilute solution, 1931
Aggregation and denaturation phenomena, correlation between, 2143
Alcohol and polyether polyol–isocyanate reactions using metal catalysts, kinetics of, 2191
Alkyl methacrylates in radical polymerization, reactivities of, 2121
Amines, vinylic and diene compounds in presence of, 2251
Amorphen Hochpolymeren, lineare Volumennachwirkung bei, 2289
Anhydriden, cyclischen, mit cyclischen Äthern, kationischen Copolymerisation von, 2131
Anionische Polymerisation in Schwach Solvatisierenden Lösungsmitteln, 2049
Annealing oriented polymers, structural changes upon, 2215
Äthern, cyclischen, mit cyclischen Anhydriden, kationischen Copolymerisation von, 2131
Biosynthese der Cellulose in den Höheren Pflanzen, die Kinetik der, 1947
Birefringence, dynamic, of poly(methyl methacrylate), 1887
Bisphenol A, vapor-induced crystallization of polycarbonate of, 2059
Butadiene polymerization by rhodium salts, mechanism of, 1989
Carboxylic resins, specificity in hydrolysis of A and B chains of oxidized insulin by, 2239
Catalysts, metal, kinetics of alcohol and polyether polyol–isocyanate reactions using, 2191
soluble complex, reactions of olefins with, role of free ions in, 2333
Ziegler, homogeneous and heterogeneous components of, in development of polymerization activity, 2069
Cationic copolymerization of isobutene, 2365
Cationic polymerization of trioxane, peculiarities of, 2453
Cellulose, die Kinetik der Biosynthese der, in den Höheren Pflanzen, 1947
Cellulose acetate and poly(vinyl alcohol) gels, 2001
Chlorierten Niederdruckpolyäthylen-Filmen, 2077
2-Chloropropen und Vinylchlorid, Copolymeren aus, 2351
Chlorure de polyvinyle, 1937
Chlorwasserstoff aus Polyvinylchlorid, Mechanismus der Thermischen Abspaltung von, 2351
Co- and homopolymerization of vinyl phosphates and phosphonates, 1869
Complex catalysts, soluble, reactions of olefins with, role of free ions in, 2333
Conformational analysis and vibrational and NMR spectra of stereoisomers of 2,4-pentanediol, 2,4,6-heptanetriol, and corresponding acetates, 2225
Conformation of methacrylic acid radicals in solid-state polymerization, 2417
Copolymèr degree of polymerization in cationic copolymerization, 2365
Copolymére gréffe de polyacrylonitrile sur polyéthylène, 2393
Copolymerization of isobutene, cationic, 2365
Cristallisation des systèmes polymeriques mixtes, 2393
Crystallization, vapor-induced, of polycarbonate of bisphenol A, 2059
Crystals, deformed polymer, morphology of fibers from, 1857
Cu(II) and Ni(II), interaction of, with poly(acrylic acid), 1903
Cyclischen Anhydriden mit cyclischen Äthern, kationischen Copolymerisation von, 2131

Deformed polymer crystals, morphology of fibers from, 1857
Degradation, of polyphosphates in solution, 2161, 2171
thermal and thermal-oxidative, of formaldehyde polymers, kinetics and mechanism of, 2277
Degree of polymerization, copolymer, in cationic copolymerization, 2365
Dehydrochlorination, thermal, of poly(vinyl chloride) in oxygen, kinetic study of, 1979
Denaturation and aggregation phenomena, correlation between, 2143
Derivatives, transition metal, polymerization by, 1989
Diene and vinylic compounds in presence of amines, 2251
Diffusion, thermal, theory of, in dilute polymer solutions, 2463
Dilute solution, adsorption of polystyrene, poly(dimethyl siloxane), and poly(methyl methacrylate) from, 1931
theory of thermal diffusion in, 2463
Druckabhängigkeit der glasigen Erstarrung von Hochpolymeren, 2299
Dynamic birefringence of poly(methyl methacrylate), 1887
Dynamic-mechanical analysis of olefin polymers, 2379
Elastic and viscoelastic behavior of glass-reinforced plastics, 1969
Electric field, light scattering by water solutions of small particles subjected to, 2435
Equation for polymer oxidation reactions, 2011
Ermittlung der Segmentgestalt, 2039
Erstarrung, glasigen, von Hochpolymeren, Druckabhängigkeit der, 2299
Ethylenimine, reaction of, with imides, 2087
Fadenmolekülen, Röntgenkleinwinkelstreuung an, 2039
Fibers from deformed polymer crystals, morphology of, 1857
Field, electric, light scattering by water solutions of small particles subjected to, 2435
Filmbildung auf Eigenschaften von Chlorierten Niederdruckpolyäthylen-Filmen, 2077
Formaldehyde polymers, kinetics and mechanism of thermal and thermal-oxidative degradation of, 2277
Fractionnement des polymères sur support inerte, 1937
Free ions, role of, in reactions of olefins with soluble complex catalysts, 2333
Fumarsäurediäthylester und Vinylchlorid, Copolymeren aus, 2351
Gels, cellulose acetate and poly(vinyl alcohol), 2001
Glasigen Erstarrung von Hochpolymeren, Druckabhängigkeit der, 2299
Glass-reinforced plastics, elastic and viscoelastic behavior of, 1969
Glass surface treated with titanium tetrachloride, grafting polymers on, 2341
Glastemperatur, zur Theorie der, von Vernetzten Polymeren, 1957
Globular proteins, intermolecular forces in heat aggregation of, 2143
Grafting polymers on a glass surface treated with titanium tetrachloride, 2341
Heat aggregation of globular proteins and correlation between aggregation and denaturation phenomena, intermolecular forces in, 2143
2,4,6-Heptanetriol, 2,4-pentanediol, and corresponding acetates, stereoisomers of, vibrational and NMR spectra and conformational analysis of, 2225
Heterogeneous and homogeneous components of Ziegler catalysts in development of polymerization activity, 2069
High pressures, polymerization at, 2313
Höheren Pflanzen, die Kinetik der Bisoynthese der Cellulose in den, 1947
Homo- and copolymerization of vinyl phosphates and phosphonates, 1869
Homogeneous and heterogeneous components of Ziegler catalysts in development of polymerization activity, 2069
Hydrolysis, of A and B chains of oxidized insulin by carboxylic resins, specificity in, 2239
of linear long-chain sodium polyphosphate, 2171
of sodium hexaphosphate, 2161
Imides, reaction of ethylenimine with, 2087
Impure molecules and polymer matrix structure, luminescence spectra of, 2031

Infrared spectrum and structure of poly-[3,3-bis(chloromethyl)oxacyclobutane], 2263
Insulin, oxidized, A and B chains of, specificity in hydrolysis of, by carboxylic resins, 2239
Interaction of Ni(II) and Cu(II) with poly(acrylic acid), 1903
Intermolecular forces in heat aggregation of globular proteins and correlation between aggregation and denaturation phenomena, 2143
Ionizing radiation, solid- and liquid-states polymerization of tetrafluoroethylene by, 2403
Ions, free, role of, in reactions of olefins with soluble complex catalysts, 2333
Isobutene, cationic copolymerization of, 2365
Isobutylen und Vinylchlorid, Copolymeren aus, 2351
Kationischen copolymerisation von cyclischen Anhydriden mit cyclischen Äthern, 2131
Kinetics, of alcohol and polyether polyol–isocyanate reactions using metal catalysts, 2191
and mechanism of thermal and thermal-oxidative degradation of formadehyde polymers, 2277
of thermal dehydrochlorination of poly(vinyl chloride) in oxygen, 1979
Kinetik der Biosynthese der Cellulose in den Höheren Pflanzen, 1947
Light scattering by water solutions of small particles subjected to an electric field, 2435
Lineare Volumennachwirkung bei amorphen Hochpolymeren, 2289
Linear long-chain sodium polyphosphate, hydrolysis of, 2171
Liquid- and solid-states polymerization of tetrafluoroethylene by ionizing radiation, 2403
Luminescence spectra of impure molecules and polymer matrix structure, 2031
Matrix structure, polymer, and impure molecules, luminescence spectra of, 2031
Mechanism, of butadiene polymerization by rhodium salts, 1989
and kinetics of thermal and thermal-oxidative degradation of formaldehyde polymers, 2277
of polymerization of tetrahydrofuran, 1917
Mechanismus der Thermischen Abspaltung von Chlorwasserstoff aus Polyvinylchlorid, 2351
Metal catalysts, kinetics of alcohol and polyether polyol–isocyanate reactions using, 2191
Methacrylates, alkyl, in radical polymerization, reactivities of, 2121
Methacrylic acid radicals, conformation of, in solid-state polymerization, 2417
Morphology of fibers from deformed polymer crystals, 1857
Network formation, 2425
Ni(II) and Cu(II), interaction of, with poly(acrylic acid), 1903
NMR and vibrational spectra and conformational analysis of stereoisomers of 2,4-pentanediol, 2,4,6-heptanetriol, and corresponding acetates, 2225
Olefin polymers, dynamic-mechanical analysis of, 2379
reactions of, with soluble complex catalysts, role of free ions in, 2333
Orientation, structural changes upon, 2215
Oxidation reactions, polymer, equation for, 2011
Oxidized insulin, A and B chains of, specificity in hydrolysis of, by carboxylic resins, 2239
Particles, small, subjected to an electric field, water solutions of, light scattering by, 2435
2,4-Pentanediol, 2,4,6-heptanetriol, and corresponding acetates, stereoisomers of, vibrational and NMR spectra and conformational analysis of, 2225
Phosphates and phosphonates, vinyl, homo- and copolymerization of, 1869
Phosphonates and phosphates, vinyl, homo- and copolymerization of, 1869
Plastics, glass-reinforced, elastic and viscoelastic behavior of, 1969
Polyacrylates and polyacrylonitriles, stereoregularity and reaction of, 2099
Poly(acrylic acid), interaction of Ni(II) and Cu(II) with, 1903
Polyacrylonitriles and polyacrylates, stereoregularity and reaction of, 2099
Polyacrylonitrile sur polyéthylène, copolymère greffé de, 2393

Poly(*n*-alkyl methacrylates) in rubbery state, stress–strain–time relation of, 2019
Polyaryläther, neue, 2443
Poly[3,3-bis(chloromethyl)oxacyclobutane], infrared spectrum and structure of, 2263
Polycarbonate of bisphenol A, vapor-induced crystallization of, 2059
Poly(dimethyl siloxane), adsorption of, from dilute solution, 1931
Polyether polyol–isocyanate and alcohol reactions using metal catalysts, kinetics of, 2191
Polyethylène, 1937
  copolymère greffé de polyacrylonitrile sur, 2393
Poly(methacrylic acid esters), stereoregularity of, 2111
Poly(methyl methacrylate), adsorption of, from dilute solution, 1931
  dynamic birefringence of, 1887
Polyphosphates in solution, degradation of, 2161, 2171
Polypropylène, 1937
Polystyrene, adsorption of, from dilute solution, 1931
Polysulfonen bei verschiedenen temperaturen, Strahlenchemische darstellung von, 2203
Poly(vinyl alcohol) and cellulose acetate gels, 2001
Polyvinylchlorid, Mechanismus der Thermischen Abspaltung von Chlorwasserstoff aus, 2351
Poly(vinyl chloride) in oxygen, kinetic study of thermal dehydrochlorination of, 1979
Poly-2- et -4-vinylpyridines, effets des rayons γ sur, 2181
Procédé amelioré de fractionnement des polymères sur support inerte (polypropylène, polyethylène, chlorure de polyvinyle), 1937
Proteins, globular, intermolecular forces in heat aggregation of, 2143
Radiation, ionizing, solid- and liquid-states polymerization of tetrafluoroethylene by, 2403
Radical polymerization, reactivities of alkyl methacrylates in, 2121
Radicals, methacrylic acid, conformation of, in solid-state polymerization, 2417
Rayons γ, effets des, sur les poly-2- et -4-vinylpyridines, 2181
Resins, carboxylic, specificity in hydrolysis of A and B chains of oxidized insulin by, 2239
Rhodium salts, mechanism of butadiene polymerization by, 1989
Röntgenkleinwinkelstreuung an Fadenmolekülen, 2039
Rubbery state, stress–strain–time relation of poly(*n*-alkyl methacrylates) in, 2019
Salts, rhodium, mechanism of butadiene polymerization by, 1989
Segmentgestalt, Ermittlung der, 2039
Sodium hexaphosphate, hydrolysis of, 2161
Sodium polyphosphate, linear long-chain, hydrolysis of, 2171
Solid- and liquid-states polymerization of tetrafluoroethylene by ionizing radiation, 2403
Solid-state polymerization, 2323
  conformation of methacrylic acid radicals in, 2417
Soluble complex catalysts, reactions of olefins with, role of free ions in, 2333
Solution, degradation of polyphosphates in, 2161, 2171
  dilute, adsorption of polystyrene, poly(dimethyl siloxane), and poly(methyl methacrylate) from, 1931
  dilute polymer, theory of thermal diffusion in, 2463
Solvatisierenden Lösungsmitteln, 2049
Specificity in hydrolysis of A and B chains of oxidized insulin by carboxylic resins, 2239
Spectra, luminescence, of impure molecules and polymer matrix structure, 2031
  vibrational and NMR, and conformational analysis of stereoisomers of 2,4-pentanediol, 2,4,6-heptanetriol, and corresponding acetates, 2225
Spectrum, infrared, and structure of poly[3,3-bis(chloromethyl)oxacyclobutane], 2263
Stereoisomers of 2,4-pentanediol, 2,4,6-heptanetriol, and corresponding acetates, vibrational and NMR spectra and conformational analysis of, 2225
Stereoregularity, of poly(methacrylic acid esters), 2111
  and reaction of polyacrylates and polyacrylonitriles, 2099

Strahlenchemische Darstellung von Polysulfonen bei verschiedenen temperaturen, 2203
Strain–stress–time relation of poly(*n*-alkyl methacrylates) in rubbery state, 2019
Stress–strain–time relation of poly(*n*-alkyl methacrylates) in rubbery state, 2019
Structural changes upon orientation and in annealing oriented polymers, 2215
Support inerte, procédé amelioré de fractionnement des polymères sur, 1937
Tetrafluoroethylene, solid- and liquid-states polymerization of, by ionizing radiation, 2403
Tetrahydrofuran, mechanism of polymerization of, 1917
Theorie der Glastemperatur von Vernetzten Polymeren, 1957
Theory of thermal diffusion in dilute polymer solutions, 2463
Thermal dehydrochlorination of poly(vinyl chloride) in oxygen, kinetic study of, 1979
Thermal diffusion, theory of, in dilute polymer solutions, 2463
Thermal and thermal-oxidative degradation of formaldehyde polymers, kinetics and mechanism of, 2277
Thermischen Abspaltung von Chlorwasserstoff aus Polyvinylchlorid, Mechanismus der, 2351
Thermische Zersetzung von Copolymeren aus Vinylchlorid und Fumarsäurediäthylester, Isobutylen, Vinylbromid und 2-Chlorpropen, 2351
Time–stress–strain relation of poly(*n*-alkyl methacrylates) in rubbery state, 2019
Titanium tetrachloride, grafting polymers on a glass surface treated with, 2341
Transition metal derivatives, polymerization by, 1989
Trioxane, peculiarities of cationic polymerization of, 2453
Vapor-induced crystallization of polycarbonate of bisphenol A, 2059
Vernetzten Polymeren, zur Theorie der Glastemperatur von, 1957
Vibrational and NMR spectra and conformational analysis of stereoisomers of 2,4-pentanediol, 2,4,6-heptanetriol, and corresponding acetates, 2225
Vinylbromid und Vinylchlorid, Copolymeren aus, 2351
Vinylchlorid und Fumarsäurediäthylester, Copolymeren aus, 2351
Vinylic and diene compounds in presence of amines, 2251
Vinyl phosphates and phosphonates, homo- and copolymerization of, 1869
Viscoelastic and elastic behavior of glass-reinforced plastics, 1969
Volumennachwirkung, lineare, bei amorphen Hochpolymeren, 2289
Water solutions of small particles subjected to an electric field, light scattering by, 2435
Wechselwirkung Zwischen Chloriertem Polyolefin und Lösungsmittel, 2077
Ziegler catalysts, homogeneous and heterogeneous components of, in development of polymerization activity, 2069